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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/690,865

10/22/2003

Michael J. Wookey

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04/20/2006

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EXAMINER

TIMBLIN, ROBERT M

ART UNIT

PAPER NUMBER

2167

DATE MAILED: 04/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/690,865	Applicant(s) WOOKEY, MICHAEL J.	
	Examiner Robert M. Timblin	Art Unit 2167	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10/22/03 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This Office Action Corresponds to application 10/690,865 filed 10/22/2003.

Claims 1-12 have been examined and are pending prosecution.

Drawings

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 154, 264, 244, 618, 620, 710, 716, 1002, and 2602.

Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

The disclosure is objected to because of the following informalities:

a) Incorrect sentence structure for the phrase "*a user enters a draws a map*" found on page 44, line 25.

b) A misspelling is assumed on page 45 line19, wherein Applicant states "*per1*" logic.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-12 are rejected under 35 U.S.C. 102(e) as being anticipated by **Chang et al.** (Chang hereinafter) (US 6,578,046).

With respect to claims 1, 6, 11, and 12, **Chang** discloses

A method in a data processing system having a program, the method comprising the steps of:

'receiving a query for retrieving data stored in a repository' as submitting queries for execution (col. 41, lines 56-60 and fig. 10).

'the query having a first information in a first format for identifying the data, the repository having a second information in a second format, different than the first format, for identifying the data, the first information being included in a metadata of a datatype having the metadata and a reference to the data' as the query is submitted in canonical form (col. 42 lines 5-8). The query is then translated into several native queries that correspond to each native datastore (col. 42 lines 5-12). Translation information is obtained from schema mapping (col. 42 lines 5-12).

'mapping the first information to the second information' as schema mapping (col. 42 lines 5-12 and fig. 10).

'translating the query to the second format based on the mapping' as query translation (col. 42 lines 8-12 and fig. 10).

'and retrieving the data using the translated query' as query results returned (col. 42 lines 36-44 and fig. 10)

With respect to claims 2 and 7 **Chang** discloses **'mapping the first information to the second information comprises retrieving the mapping from a plurality of mappings'** as Translation information is obtained from schema mapping (col. 42 lines 5-12 and fig. 10).

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With respect to claims 3 and 8 these claims are rejected for the same reasoning as set forth above.

With respect to claims 4 and 9 **Chang** discloses '**first information is a property identifier in the datatype**' as a query object (col. 18, lines 25-55).

With respect to claims 5 and 10 **Chang** discloses '**the second information is a source description**' as source datastores (col. 5, lines 29-32 and col. 38 line 56-col. 40 line 27).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 2001/0051949 filed by **Carey et al.** The subject matter disclosed therein is pertinent to that of claims 1-12 (i.e. building queries).

US Patent 6,119,118 issued to **Kain, III et al.** The subject matter disclosed therein is pertinent to that of claims 1-12 (i.e. formatting client requests).

US Patent 6,178,418 Issued to **Singer.** The subject matter disclosed therein is pertinent to that of claims 1-12 (i.e. servicing queries in legacy databases)

US 6,460,043 Issued to **Tabbara et al.** The subject matter disclosed therein is pertinent to that of claims 1-12 (i.e. conceptual queries).

US 2003/0126114 filed by **Tedesco**. The subject matter disclosed therein is pertinent to that of claims 1-12 (i.e. transforming commands into database formats).

US 2003/0149934 filed by **Worden**. The subject matter disclosed therein is pertinent to that of claims 1-12 (i.e. XML Mapping).

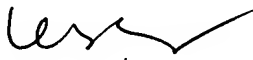
Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert M. Timblin whose telephone number is 571-272-5627. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene can be reached on 571-272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Leslie Wong
Primary Examiner

Robert M. Timblin

Patent Examiner AU 2167

RMT
4/7/2006